Ramakrishna Ramaswamy

List of Publications by Year
in descending order

193	5,404	109321	98798
papers	citations	35 h-index	67 g-index

202	202	202	3001
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Signatures of chaos in quantum billiards: Microwave experiments. Physical Review E, 1994, 49, R11-R14.	2.1	364
2	Quantum number and energy scaling for nonreactive collisions. Journal of Chemical Physics, 1979, 71, 850-865.	3.0	343
3	Amplitude death: The emergence of stationarity in coupled nonlinear systems. Physics Reports, 2012, 521, 205-228.	25.6	307
4	Prediction of probable genes by Fourier analysis of genomic sequences. Bioinformatics, 1997, 13, 263-270.	4.1	301
5	Exactly solved model of self-organized critical phenomena. Physical Review Letters, 1989, 63, 1659-1662.	7.8	299
6	Amplitude death in the absence of time delays in identical coupled oscillators. Physical Review E, 2007, 76, 035201.	2.1	206
7	Spectral Repeat Finder (SRF): identification of repetitive sequences using Fourier transformation. Bioinformatics, 2004, 20, 1405-1412.	4.1	143
8	Adaptive control in nonlinear dynamics. Physica D: Nonlinear Phenomena, 1990, 43, 118-128.	2.8	142
9	STRANGE NONCHAOTIC ATTRACTORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2001, 11, 291-309.	1.7	134
10	Intermittency Route to Strange Nonchaotic Attractors. Physical Review Letters, 1997, 79, 4127-4130.	7.8	105
11	Amplitude death in nonlinear oscillators with nonlinear coupling. Physical Review E, 2010, 81, 027201.	2.1	105
12	Phase-flip bifurcation induced by time delay. Physical Review E, 2006, 74, 035204.	2.1	94
13	Long time fluctuation of liquid water: 1/f spectrum of energy fluctuation in hydrogen bond network rearrangement dynamics. Journal of Chemical Physics, 1992, 96, 3045-3053.	3.0	84
14	Characteristic distributions of finite-time Lyapunov exponents. Physical Review E, 1999, 60, 2761-2766.	2.1	80
15	Ab initio gene identification: Prokaryote genome annotation with GeneScan and GLIMMER. Journal of Biosciences, 2002, 27, 7-14.	1.1	75
16	Universal occurrence of the phase-flip bifurcation in time-delay coupled systems. Chaos, 2008, 18, 023111.	2.5	68
17	Strange nonchaotic attractors in the quasiperiodically forced logistic map. Physical Review E, 1998, 57, 1576-1584.	2.1	63
18	Perturbative examination of avoided crossings. Journal of Chemical Physics, 1981, 74, 1379-1384.	3.0	61

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19	Pairwise balance and invariant measures for generalized exclusion processes. Journal of Physics A, 1996, 29, 837-843.	1.6	61
20	Intermittency transitions to strange nonchaotic attractors in a quasiperiodically driven Duffing oscillator. Physical Review E, 2000, 61, 3641-3651.	2.1	60
21	Synchronization of strange nonchaotic attractors. Physical Review E, 1997, 56, 7294-7296.	2.1	56
22	Maximal Lyapunov exponent in small atomic clusters. Physical Review E, 1995, 51, 3376-3380.	2.1	50
23	Lowâ€temperature rotational relaxation in gaseous H2 and D2. Journal of Chemical Physics, 1977, 66, 3021-3030.	3.0	48
24	Collision and Symmetry Breaking in the Transition to Strange Nonchaotic Attractors. Physical Review Letters, 1999, 83, 4530-4533.	7.8	47
25	Classical Diffusion on Eden Trees. Physical Review Letters, 1985, 54, 1346-1349.	7.8	46
26	The LINEs and SINEs of Entamoeba histolytica: Comparative analysis and genomic distribution. Experimental Parasitology, 2005, 110, 207-213.	1.2	46
27	Coupled maps on trees. Physical Review E, 1995, 52, 2478-2485.	2.1	44
28	On the correlation of rotationally inelastic rates: A scaling theoretical analysis. Chemical Physics Letters, 1979, 61, 495-498.	2.6	39
29	On the onset of chaotic motion in deterministic systems. Journal of Chemical Physics, 1981, 74, 1385-1393.	3.0	39
30	Level spacings for harmonic-oscillator systems. Physical Review A, 1991, 43, 4237-4243.	2.5	38
31	Spectral signatures of the diffusional anomaly in water. Journal of Chemical Physics, 2005, 122, 104507.	3.0	36
32	Recurrence analysis of strange nonchaotic dynamics. Physical Review E, 2007, 75, 036222.	2.1	36
33	Wavelet Analysis of DNA Walks. Journal of Computational Biology, 2006, 13, 1289-1298.	1.6	35
34	Synchronization regimes in conjugate coupled chaotic oscillators. Chaos, 2009, 19, 033143.	2.5	35
35	Dynamical effects of integrative time-delay coupling. Physical Review E, 2010, 82, 017201.	2.1	35
36	Phase-flip transition in coupled electrochemical cells. Physical Review E, 2010, 81, 046213.	2.1	35

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37	Phase-flip transition in relay-coupled nonlinear oscillators. Physical Review E, 2011, 84, 016226.	2.1	35
38	Chimeras with multiple coherent regions. Physical Review E, 2013, 88, 032902.	2.1	35
39	Conjugate coupling in ecosystems: Cross-predation stabilizes food webs. Chaos, Solitons and Fractals, 2014, 68, 48-57.	5.1	34
40	miRNA-regulated dynamics in circadian oscillator models. BMC Systems Biology, 2009, 3, 45.	3.0	31
41	Nature of the phase-flip transition in the synchronized approach to amplitude death. Physical Review E, 2010, 82, 046219.	2.1	31
42	Overcoming the zeroâ€point dilemma in quasiclassical trajectories: (He,H+2) as a test case. Journal of Chemical Physics, 1995, 103, 6021-6028.	3.0	30
43	Fractalization route to strange nonchaotic dynamics. Physical Review E, 2004, 70, 046203.	2.1	30
44	Maximal Lyapunov exponent at crises. Physical Review E, 1996, 53, 3420-3424.	2.1	29
45	APERIODIC NONCHAOTIC ATTRACTORS, STRANGE AND OTHERWISE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 3397-3407.	1.7	29
46	THE NATURE OF ATTRACTOR BASINS IN MULTISTABLE SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 1675-1688.	1.7	29
47	Enhancing synchrony in chaotic oscillators by dynamic relaying. Physical Review E, 2012, 85, 027201.	2.1	29
48	Scaling behavior in disordered sandpile automata. Physical Review A, 1992, 45, 8536-8545.	2.5	28
49	Curvature fluctuations and the Lyapunov exponent at melting. Physical Review E, 1997, 56, 2508-2517.	2.1	28
50	The role of heterogeneity on the spatiotemporal dynamics of hostâ€“parasite metapopulation. Ecological Modelling, 2004, 180, 435-443.	2.5	27
51	Targeting chaos through adaptive control. Physical Review E, 1998, 57, R2507-R2510.	2.1	26
52	On the dynamics of controlled metabolic network and cellular behavior. BioSystems, 1987, 20, 341-354.	2.0	25
53	Genome-wide analysis of mobile genetic element insertion sites. Nucleic Acids Research, 2011, 39, 6864-6878.	14.5	24
54	Vibrationâ€“rotation relaxation in bimolecular collisions with application to paraâ€hydrogen. Journal of Chemical Physics, 1977, 66, 152-159.	3.0	23

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55	Limits of weak damping of a quantum harmonic oscillator. Physical Review A, 1989, 40, 3438-3440.	2.5	23
56	1/fSpectra in Finite Atomic Clusters. Physical Review Letters, 1995, 74, 4181-4184.	7.8	23
57	Dynamics of a shallow fluidized bed. Physical Review E, 1999, 60, 7126-7130.	2.1	23
58	Bifurcations and transitions in the quasiperiodically driven logistic map. Physica D: Nonlinear Phenomena, 2000, 145, 1-12.	2.8	21
59	Information-entropic analysis of chaotic time series: determination of time-delays and dynamical coupling. Chaos, Solitons and Fractals, 2002, 14, 633-641.	5.1	21
60	Complex behaviour of the repressible operon. Journal of Theoretical Biology, 1988, 132, 307-318.	1.7	20
61	Quantum chaos in collinear (He, H2+) collisions. Journal of Chemical Physics, 1996, 104, 3989-3997.	3.0	20
62	Semiclassical quantization of multidimensional systems. Journal of Chemical Physics, 1980, 73, 5400-5401.	3.0	19
63	Melting of (Ar-Xe)13 Clusters: Surface-Core Effects. The Journal of Physical Chemistry, 1994, 98, 9260-9264.	2.9	19
64	Instantaneous normal mode spectra of quantum clusters. Journal of Chemical Physics, 1997, 106, 5564-5568.	3.0	19
65	Driving-induced multistability in coupled chaotic oscillators: Symmetries and riddled basins. Chaos, 2016, 26, 063111.	2.5	19
66	Dynamics of van der Waals molecules: A scaling theoretical analysis of I2*He. Journal of Chemical Physics, 1980, 72, 770-771.	3.0	18
67	Power spectrum of mass and activity fluctuations in a sandpile. Physical Review E, 2012, 85, 061114.	2.1	18
68	Frequency discontinuity and amplitude death with time-delay asymmetry. Physical Review E, 2012, 85, 046204.	2.1	18
69	Strange nonchaotic attractors in driven excitable systems. Physical Review E, 2003, 68, 037201.	2.1	17
70	Markov models of genome segmentation. Physical Review E, 2007, 75, 011915.	2.1	17
71	Transport in random networks in a field: interacting particles. Journal of Physics A, 1987, 20, 2973-2987.	1.6	16
72	Segmentation of genomic DNA through entropic divergence: Power laws and scaling. Physical Review E, 2002, 65, 051909.	2.1	16

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73	Quasiperiodic forcing of coupled chaotic systems. Physical Review E, 2010, 81, 026202.	2.1	16
74	A simple classical model of infrared multiphoton dissociation. Journal of Chemical Physics, 1981, 74, 4418-4425.	3.0	15
75	Symmetry breaking in quantum chaotic systems. Pramana - Journal of Physics, 1993, 41, L75-L81.	1.8	15
76	A plethora of strange nonchaotic attractors. Pramana - Journal of Physics, 2001, 56, 47-56.	1.8	15
77	Scenarios for generalized synchronization with chaotic driving. Physical Review E, 2008, 78, 025205.	2.1	15
78	Targeted control of amplitude dynamics in coupled nonlinear oscillators. Physical Review E, 2010, 82, 027201.	2.1	15
79	MicroRNAs Modulate the Dynamics of the NF-Î¹B Signaling Pathway. PLoS ONE, 2011, 6, e27774.	2.5	15
80	Scaling behavior in probabilistic neuronal cellular automata. Physical Review E, 2013, 87, 012704.	2.1	15
81	A semiclassical quantization using arbitrary trajectories. Journal of Chemical Physics, 1985, 82, 747-751.	3.0	14
82	Non-Gaussian Fluctuations of Local Lyapunov Exponents at Intermittency. Journal of Statistical Physics, 2003, 113, 283-295.	1.2	14
83	Basin bifurcations in quasiperiodically forced coupled systems. Physical Review E, 2005, 72, 036215.	2.1	14
84	Identification of insertion hot spots for non-LTR retrotransposons: computational and biochemical application to Entamoeba histolytica. Nucleic Acids Research, 2006, 34, 5752-5763.	14.5	14
85	Phase oscillators in modular networks: The effect of nonlocal coupling. Physical Review E, 2016, 93, 012207.	2.1	14
86	Emergence of chimeras through induced multistability. Physical Review E, 2017, 95, 032203.	2.1	14
87	Stochastic theory for molecular collisions: Application to the COâ€“He system. Journal of Chemical Physics, 1979, 70, 2455-2462.	3.0	13
88	Decoupling surface analysis of classical irregular scattering and clarification of its icicle structure. Journal of Chemical Physics, 1993, 98, 1156-1169.	3.0	13
89	Simplifying the mosaic description of DNA sequences. Physical Review E, 2002, 66, 031913.	2.1	13
90	Signatures of multiple time-scale behaviour in the power spectra of water. Chemical Physics Letters, 2003, 376, 683-689.	2.6	13

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91	Effective mechanisms for the synchronization of stochastic oscillators. Physical Review E, 2007, 76, 041136.	2.1	13
92	Local Properties of Vigilance States: EMD Analysis of EEG Signals during Sleep-Waking States of Freely Moving Rats. PLoS ONE, 2013, 8, e78174.	2.5	13
93	Synchronization and amplitude death in hypernetworks. Physical Review E, 2014, 89, 062923.	2.1	13
94	The phase-modulated logistic map. Chaos, 2005, 15, 023107.	2.5	12
95	Characterisation of Inactivation Domains and Evolutionary Strata in Human X Chromosome through Markov Segmentation. PLoS ONE, 2009, 4, e7885.	2.5	12
96	Quasiperiodic quantum states. Journal of Chemical Physics, 1984, 80, 6194-6199.	3.0	11
97	Scaling behavior in collinear atomâ€“diatom collisions: Energy transfer from high vibrational states. Journal of Chemical Physics, 1984, 80, 1095-1102.	3.0	11
98	Defects in self-organized criticality: A directed coupled map lattice model. Physical Review E, 1996, 54, 3157-3164.	2.1	11
99	The effect of time-delay on anomalous phase synchronization. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 6150-6154.	2.1	11
100	Coexisting attractors in periodically modulated logistic maps. Physical Review E, 2008, 77, 066217.	2.1	11
101	Generalized synchrony of coupled stochastic processes with multiplicative noise. Physical Review E, 2016, 94, 052216.	2.1	11
102	Dynamical effects of breaking rotational symmetry in counter-rotating Stuart-Landau oscillators. Physical Review E, 2018, 98, 022212.	2.1	11
103	Classical methods in molecular scattering: a continuous quantization procedure. Chemical Physics Letters, 1981, 77, 190-194.	2.6	10
104	On backbends on percolation backbones. Journal of Physics A, 1986, 19, L605-L611.	1.6	10
105	Backbones of traffic jams. Journal of Physics A, 1996, 29, L547-L553.	1.6	10
106	Recurrences of strange attractors. Pramana - Journal of Physics, 2008, 70, 1039-1045.	1.8	10
107	Design strategies for generalized synchronization. Physical Review E, 2018, 98, .	2.1	10
108	Rotational inelasticity in high-energy H2î—¸H2 collisions. Chemical Physics, 1978, 28, 319-329.	1.9	9

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109	Criticality in driven cellular automata with defects. Physica A: Statistical Mechanics and Its Applications, 1996, 224, 188-198.	2.6	9
110	Symmetry-breaking in local Lyapunov exponents. European Physical Journal B, 2002, 29, 339-343.	1.5	9
111	Two-layer modular analysis of gene and protein networks in breast cancer. BMC Systems Biology, 2014, 8, 81.	3.0	9
112	Delay-induced remote synchronization in bipartite networks of phase oscillators. Physical Review E, 2015, 91, 022922.	2.1	9
113	General mechanism for the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mi>f</mml:mi> noise. Physical Review E, 2017, 96, 022215.	2.1	9
114	Chaotic motions in vibrating molecules: The generalized HÃ©non-Heiles model. Chemical Physics, 1983, 76, 15-24.	1.9	8
115	Resonances and chaos in the collinear collision system (He, H 2 +) and its isotopic variants. Pramana - Journal of Physics, 1997, 48, 411-424.	1.8	8
116	Critical states and fractal attractors in fractal tongues: Localization in the Harper map. Physical Review E, 2001, 64, 045204.	2.1	8
117	Phase ordering at crises. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 295, 273-279.	2.1	8
118	On the dynamics of the critical Harper map. Nonlinearity, 2004, 17, 2315-2323.	1.4	8
119	Amplitude death: The cessation of oscillations in coupled nonlinear dynamical systems. , 2014, , .		8
120	Coupled Lorenz oscillators near the Hopf boundary: Multistability, intermingled basins, and quasiriddling. Physical Review E, 2017, 96, 062203.	2.1	8
121	The scaling principle in classical inelastic collisions. Journal of Chemical Physics, 1984, 80, 2462-2463.	3.0	7
122	Spectral rigidity in atomic uranium. Journal of Physics B: Atomic, Molecular and Optical Physics, 1989, 22, 2985-2990.	1.5	7
123	Identification of Parasitic Genes by Computational Methods. Parasitology Today, 2000, 16, 127-131.	3.0	7
124	A robust meta-classification strategy for cancer diagnosis from gene expression data. , 2005, , 322-5.		7
125	Excitable Nodes on Random Graphs: Relating Dynamics to Network Structure. SIAM Journal on Applied Dynamical Systems, 2011, 10, 987-1012.	1.6	7
126	Driving-induced bistability in coupled chaotic attractors. Physical Review E, 2013, 87, 042909.	2.1	7

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127	Nature of weak generalized synchronization in chaotically driven maps. Physical Review E, 2013, 87, 042913.	2.1	7
128	Escape times in interacting biased random walks. Journal of Statistical Physics, 1986, 43, 561-570.	1.2	6
129	Global optimization on an evolving energy landscape. Physical Review E, 2002, 66, 046704.	2.1	6
130	Adaptive targeting of chaotic response in periodically stimulated neural systems. Chaos, 2006, 16, 023116.	2.5	6
131	Stochastic synchronization of circadian rhythms. Journal of Systems Science and Complexity, 2010, 23, 978-988.	2.8	6
132	Concerning the scaling behavior in the classical mechanics of non-reactive collisions: an analytic investigation. Chemical Physics, 1981, 57, 129-140.	1.9	5
133	Quantum infomation from classical trajectories: Scaling deconvolution of moments in diatom-diatom collisions. Chemical Physics, 1985, 95, 253-261.	1.9	5
134	Semiclassical quantization of resonant systems. Molecular Physics, 1989, 67, 335-346.	1.7	5
135	Cluster-weighted modeling: Estimation of the Lyapunov spectrum in driven systems. Physical Review E, 2005, 71, 016224.	2.1	5
136	Analytical signal analysis of strange nonchaotic dynamics. Physical Review E, 2008, 77, 046220.	2.1	5
137	Delay-coupled discrete maps: Synchronization, bistability, and quasiperiodicity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 2636-2639.	2.1	5
138	Transition to weak generalized synchrony in chaotically driven flows. Physical Review E, 2010, 81, 016208.	2.1	5
139	Memoryless nonlinear response: A simple mechanism for the 1/f noise. Europhysics Letters, 2013, 103, 60004.	2.0	5
140	Classical trajectory analysis in atomâ€”triatom collisions: Continuous quantization and scaling behaviour. Chemical Physics, 1984, 88, 7-16.	1.9	4
141	Dimension Analysis of Climatic Data. Journal of Climate, 1989, 2, 1047-1057.	3.2	4
142	Adaptive control in a resource management model. Ecological Modelling, 1996, 84, 53-62.	2.5	4
143	Computational studies on the structures and energies of the tautomers of 1-amino-3-nitrotriazol-5-one-2-oxide. Structural Chemistry, 2013, 24, 1347-1367.	2.0	4
144	Amplitude death phenomena in delay-coupled Hamiltonian systems. Physical Review E, 2013, 87, 052912.	2.1	4

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145	Time-delayed conjugate coupling in dynamical systems. European Physical Journal: Special Topics, 2017, 226, 1903-1910.	2.6	4
146	Ageing in mixed populations of Stuartâ€“Landau oscillators: the role of diversity. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 464001.	2.1	4
147	Electron momentum distributions and compton profiles of some molecules with FSGO model. Pramana - Journal of Physics, 1977, 8, 99-107.	1.8	3
148	Continuous quantization procedure in quasiclassical scattering: Application to atom-Morse oscillator collisions. Pramana - Journal of Physics, 1981, 16, 139-146.	1.8	3
149	Melting behavior of heterogenous atomic clusters: Gapless coexisting phases in (Arâ€“Xe)13. Journal of Chemical Physics, 1999, 110, 501-507.	3.0	3
150	Thermal transport in low-dimensional lattices with nearest- and next-nearest-neighbour coupling. Journal of Statistical Mechanics: Theory and Experiment, 2005, 2005, P07005-P07005.	2.3	3
151	Design strategies for the creation of aperiodic nonchaotic attractors. Chaos, 2009, 19, 033116.	2.5	3
152	Quasiperiodically driven maps in the low-dissipation limit. Physical Review E, 2013, 87, .	2.1	3
153	THE GENERALIZED TIME-DELAYED HÃ‰NON MAP: BIFURCATIONS AND DYNAMICS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350045.	1.7	3
154	Phase-locked regimes in delay-coupled oscillator networks. Chaos, 2014, 24, 043111.	2.5	3
155	Bipartite networks of oscillators with distributed delays: Synchronization branches and multistability. Physical Review E, 2015, 91, 042906.	2.1	3
156	Emergent organization in a model market. Physica A: Statistical Mechanics and Its Applications, 2017, 482, 118-126.	2.6	3
157	Collision dynamics of non-integrable systems: Validity of classical scaling. Chemical Physics, 1984, 88, 17-25.	1.9	2
158	NosÃ©-Hoover dynamics of a nonintegrable hamiltonian system. Computational and Theoretical Chemistry, 1996, 361, 111-116.	1.5	2
159	Dynamical signatures of â€˜phase transitionsâ€™: Chaos in finite clusters. Pramana - Journal of Physics, 1997, 48, 603-615.	1.8	2
160	A perspective on nonlinear dynamics. Pramana - Journal of Physics, 2005, 64, 307-313.	1.8	2
161	CRITICAL STRANGE NONCHAOTIC DYNAMICS IN THE FIBONACCI MAP. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 1493-1501.	1.7	2
162	Dynamics of excitable nodes on random graphs. Pramana - Journal of Physics, 2011, 77, 803-809.	1.8	2

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163	Order parameter for the transition from strong to weak generalized synchrony from empirical mode decomposition analysis. Physical Review E, 2011, 83, 066201.	2.1	2
164	Distribution of MGEs and their insertion sites in theMacaca mulattagenome. Mobile Genetic Elements, 2012, 2, 133-141.	1.8	2
165	Synchronization properties of coupled chaotic neurons: The role of random shared input. Chaos, 2016, 26, 063118.	2.5	2
166	The collective dynamics of NF â^' ÎºB in cellular ensembles. European Physical Journal: Special Topics, 2018, 227, 851-863.	2.6	2
167	Chemistry at the Nanoscale. Resonance, 2018, 23, 23-40.	0.3	2
168	Complex dynamics of atomic clusters. Journal of Chemical Sciences, 1994, 106, 521-530.	1.5	2
169	A higher-dimensional generalization of the Lozi map: bifurcations and dynamics. Journal of Difference Equations and Applications, 0, , 1-12.	1.1	2
170	Elementary concepts in chaos and turbulence. Bulletin of Materials Science, 1984, 6, 807-815.	1.7	1
171	Thermodynamics of critical strange nonchaotic attractors. Physical Review E, 2003, 68, 036104.	2.1	1
172	Symbol sequence analysis of climatic time signals. Nonlinear Analysis: Real World Applications, 2004, 5, 487-500.	1.7	1
173	The effect of finite responseâ€“time in coupled dynamical systems. Pramana - Journal of Physics, 2011, 77, 865-871.	1.8	1
174	Stochastic synchronization of interacting pathways in testosterone model. Computational Biology and Chemistry, 2012, 41, 10-17.	2.3	1
175	Collective dynamics in heterogeneous networks of neuronal cellular automata. Physica A: Statistical Mechanics and Its Applications, 2017, 487, 111-124.	2.6	1
176	Transition and identification of pathological states in p53 dynamics for therapeutic intervention. Scientific Reports, 2021, 11, 2349.	3.3	1
177	Dynamics of Forced Coupled Oscillators: Classical Phenomenology of Infrared Multiphoton Absorption. , 1981, , 193-201.		1
178	Stochastic Synchronization. Understanding Complex Systems, 2010, , 177-193.	0.6	1
179	A stochastic model of homeostasis: The roles of noise and nuclear positioning in deciding cell fate. IScience, 2021, 24, 103199.	4.1	1
180	Sum rules in inelastic gas-surface scattering. Journal of Chemical Sciences, 1986, 96, 249-252.	1.5	0

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181	Fractal Eigenfunctions in (Classically) Nonintegrable Hamiltonian Systems. Europhysics Letters, 1987, 4, 127-131.	2.0	0
182	Scaling of moments in rotational inelasticity. Chemical Physics Letters, 1987, 135, 153-158.	2.6	0
183	Analysis of DNA Sequences through Segmentation: Exploring the Mosaic via Statistical Measures. Physica Scripta, 2003, T106, 21.	2.5	0
184	Synchronization of coupled stochastic oscillators: The effect of topology. Pramana - Journal of Physics, 2008, 70, 1165-1174.	1.8	0
185	A playful side to twelfth-century mathematics. Nature, 2009, 461, 1198-1198.	27.8	0
186	Relaying phase synchrony in chaotic oscillator chains. Physical Review E, 2011, 84, 056205.	2.1	0
187	Phantom instabilities in adiabatically driven systems: Dynamical sensitivity to computational precision. Chaos, 2012, 22, 033103.	2.5	0
188	The energy efficiency of fractal solar grids. , 2016, , .		0
189	Chaos in Chemical Dynamics. , 1991, , 101-120.		0
190	Lyapunov Exponent at the Melting Transition in Small Ni Clusters. , 1998, , 209-213.		0
191	A Scholar in His Time. , 2016, , 3-14.		0
192	Intermingled attractors in an asymmetrically driven modified Chua oscillator. Chaos, 2022, 32, 013106.	2.5	0
193	Phase-locking in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si8.svg"><mml:mi>k</mml:mi></mml:math>-partite networks of delay-coupled oscillators. Chaos, Solitons and Fractals, 2022, 157, 111947.	5.1	0